

2010-2016 CAPITAL PLAN
PROPOSED CAPITAL PROJECT
FORM SYP-P2
PLAN VERSION - 3

7/30/2009

Branch: Executive Branch
Cabinet/Function: Finance and Administration Cabinet
Agency/Institution: Commonwealth Office of Technology

Project Title Enterprise Cyber Security and Identity Managemen
Category Information Technology System
Biennium 2012-2014
Location (county) Multi-County
Location (ADD) N/A
Appropriation Unit 0790

Additional Funding? No

Brief Description/Justification:

The security of Kentucky's computing and networking environments is growing in complexity to the point that it is becoming impossible to manage without automated tools. Hackers are becoming far more sophisticated in their cyber attacks and exploits; more users need access to a larger number of IT resources; computing platforms are increasingly complex and heterogeneous; and Web services are driving the need to manage transactions, as well as citizen and employee access to IT resources. As federal Homeland Security moves to strengthen the nation's cyber security defenses, Kentucky must also fortify its cyber security defenses to ensure that the Commonwealth is prepared for future cyber attacks currently under development.

Commonly used directories and platform-specific security administration tools are not capable of addressing the comprehensive cyber security requirements of a large enterprise like Kentucky State Government. A range of other technologies, including user provisioning, single sign-on, role management, access management, password management, web access management, data encryption, security information/event management and threat/vulnerability management are needed to provide a comprehensive cyber security solution. No single tool does everything across all platforms and for all application types. A multiproduct Enterprise Cyber Security and Identity Management implementation is the only way to meet these critical enterprise security requirements in an efficient and effective manner.

PROJECT BUDGET

<u>Fund Sources</u>	<u>Amount</u>	<u>Cost Elements</u>	<u>Amount</u>
General Fund		Hardware	500,000
Restricted Funds	3,000,000	Software	1,000,000
Federal Funds		Professional Services	1,500,000
Road Fund		Digital Data Products	
Agency Bonds		Other(specify)	
Other(Private - Cash)			
Other(LT Financing)			
Total	3,000,000	Total	3,000,000

Explanation of Project Budget

Projections based on in-house estimates. Hardware cost estimates are based on the need to increase resources across all platforms.

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IMPACT ON OPERATING BUDGET? Yes

Explanation of Impact on Operating Budget

COT will need to redirect restricted operational funds to support the operation of this project.

PROJECT DETAIL

Method of Procurement Purchase

Program Purpose

Completion Date 06/2012

Existing System? No

Phased Project? Yes

2010 - 2012 Enterprise Cyber Security and Identity Management

2012 - 2014 Enterprise Cyber Security and Identity Management

2014 - 2016 Enterprise Cyber Security and Identity Management

Additional Description/Justification

Cyber security and IM software components including, but not limited to, user provisioning, single sign-on, role management, access management, password management, electronic signature management, web access management, data and network encryption, security information and event management, threat and vulnerability management, and network security

Software license fees

Software maintenance charges

Application integration software modules and connectors (Active Directory, mainframe RACF security integration, etc.)

Consulting and integration services

Previous CAPITAL PLANS? Yes

2008-2014 Enterprise Identity and Access Management

Differences between the current and most recent previous project? Yes

The previous capital projects, while addressing some identity management concerns, were significantly limited in scope compared to this initiative. The previous projects focused entirely on identity management and did not address a number of cyber security issues that are growing in importance, such as threat and vulnerability management, data and network encryption, security information and event management, and network security. In addition, based on an identity management project currently underway in a single cabinet, it has become clear that the funding requested in previous capital projects was insufficient to fund an enterprise-wide solution.

Previous BUDGET REQUESTS? No

Previous BUDGET AUTHORIZATIONS? No